

Work Order ID 152597

Tuesday, November 01, 2016 12:47:03 PM

152597

Page 1

Item ID: D3533-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Set Screw

Stop ***NS2***

Start Date: 11/3/2016 Start Qty: 50.00

50

Cust Item ID:

Required Date: 11/17/2016 Req'd Qty: 50.00

50

Customer:

Reference:

Approvals: Process Plan:

DAS
21
9-89

Date: NOV 0 1 2016

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3533

Rev B

100

0.00

100

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 34154 Purchase Part Number: 92311A564 Supplier: MAC
MASTER CARR Certificate of conformity is required

50

NOV 0 2 2016

DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.17

Packaging

Ensure material certification is attached

50x

NOV 0 4 2016

DAS
26
9-89

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

50

DAS
38
9-89
NOV 0 7 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 152597

Tuesday, November 01, 2016 12:47:03 PM

152597

Page 2

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Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Set Screw

Start Date: 11/3/2016 Start Qty: 50.00

50

Cust Item ID:

Required Date: 11/17/2016 Req'd Qty: 50.00

50

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: Stock

0.00

130

Packaging

Memo

0.08

Packaging

D

DAS
6
9-89

NOV 07 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.83

DAS
21
9-89

NOV 07 2016

Quality Control

DAS
21
9-89

NOV 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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OTHER : _____					

Picklist Print

Tuesday, November 01, 2016 12:47:08 PM

Work Order ID: 152597

152597

Parent Item: D3533-1

D3533-1

Parent Item Name: Set Screw

Start Date: 11/3/2016

Required Date: 11/17/2016

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP Rev:A New Issue 06-07-25 JLM verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location
---------------------------------	------------------------	---------------	-------------	---------------------	------------------

92311A564		Purchased	No		
-----------	--	-----------	----	--	--

92311A564

Set Screw

Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
110	Each	0.0000	1	50			
			**	50x		NOV 04 2016	DAS 26 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

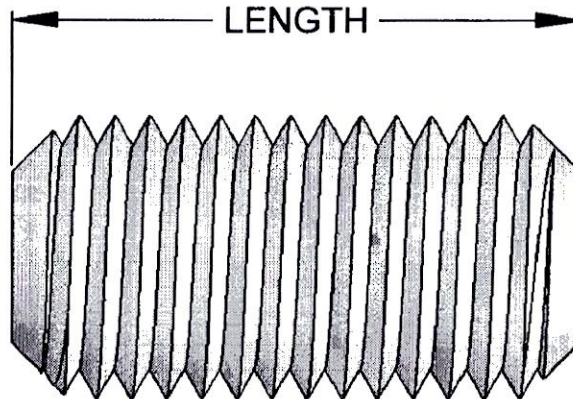
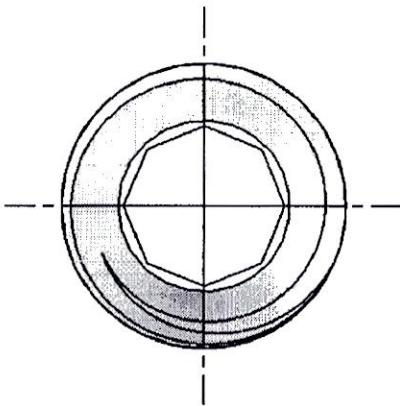
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		OTHER : ☐																																																																					



DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED #	DRAWING NO. D3533	REV. B SHEET 1 OF 1
DATE 07.06.14		TITLE SET SCREW	SCALE NTS
REV	DATE	DESCRIPTION	
A	06.07.12	NEW ISSUE	
B	07.06.14	ADD D3533-3; ADD MATERIAL/FINISH COLUMN	

SPECIFICATION CONTROL DRAWING

RELEASED
07-08-03 #



B

PART NUMBER	MATERIAL AND FINISH	SIZE	LENGTH	POSSIBLE SUPPLIER
D3533-1	18-8 STAINLESS STEEL	1/4-28 UNF	1.000	McMASTER-CARR, P/N 92311A564
D3533-3	BLACK OXIDE ALLOY STEEL	#6-40 UNF	0.188	McMASTER-CARR, P/N 91375A161

B

NOTES:

- 1) TYPE: CUP POINT HEX HEAD SET SCREWS
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 152597
16-11-01

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34154**

Purchase Order Date 11/2/2016

PO Print Date 11/3/2016

Page Number 1 of 6

Order From :
MCM INDUSTRIAL SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name
Vendor Phone 330 995 5500
Ship To Phone
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	92311A529	SS SET SCREW	11/4/2016 Yes 11/4/2016	50.00 Each	\$0.66	\$33.10

AS PER DWG D2747 REV. B
D152598

Line Total: **\$33.10**

2	92311A527	Set Screw	11/4/2016 Yes 11/4/2016	50.00 Each	\$0.23	\$11.65
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AS PER DWG D3533 REV. B
D152597

DAS
38
9-89

DAS
26
9-89

NOV 04 2016

Line Total: **\$11.65**

200 Aurora Industrial Pkwy
Aurora, ON L4G 4G2
416-442-0280
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Chantal Lavoie

Purchase Order
PO34154

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2833981-03

Page 1 of 1

11/02/2016

Line	Product	Ordered	Shipped
1	92311A639 18-8 Stainless Steel Cup Point Set Screw 3/8"-24 Thread, 1" Long, Packs of 10	5 Packs	5
2	92311A564 18-8 Stainless Steel Cup Point Set Screw 1/4"-28 Thread, 1" Long, Packs of 50	1 Pack	1
3	6607K56 Hook and Loop Cable Ties 24" Overall Length, Meets UL 94V2, Packs of 5	2 Packs	2
4	4756A139 Banding Sleeve High Performance Multipurpose, 80 Grit, 1" ID, 1-1/2" Long, Packs of 25	4 Packs	4
5	9254T31 Infrared Thermometer Adjustable Emissivity, -58 Degree to 1200 Degree F	1 Each	1
6	6978K777 5mm x 20 mm Glass-Tube Fuse Fast Acting, 125 VAC, 15 Amp, Packs of 5	1 Pack	1
7	6611K16 Tie Adjustable Nylon Cable Tie 13-1/2" Long, 3-1/2" Bundle Diameter, 120 lb. Break Strength, Black, Packs of 10	4 Packs	4
8	3502A3 Heavy Duty Pin-Removal Punch 1/8" Diameter, 1" Pin Length, 4-3/4" Overall Length	1 Each	1
9	3502A5 Heavy Duty Pin-Removal Punch 3/16" Diameter, 1-1/4" Pin Length, 5-1/4" Overall Length	1 Each	1
10	5141K61 Air Filter/Lubricator Zinc Body & Bowl, 1/4 Pipe Size	1 Each	1
11	10815T21 Floating Flashlight 40 Lumens Brightness	3 Each	3
12	6879T48 Disposable Air Horn. Replaces P/N 5688T61 - Diffs Are: Disposable Horn Vs Refillable	3 Each	3
14	5758T21 Fire Equipment Sign 6" x 8" x 4", Plastic, " Fire Exting.", 3-Way View	5 Each	5

DAS
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NOV 04 2016

DAS
26
9-89

Notes about your shipment

The U.S. Department of Transportation regulates the shipping of lines 5, 11 and 12. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.